

## **RFP0103 - UCQ Campus Facilities Maintenance Services, 2021**

Please note this addendum include the following:

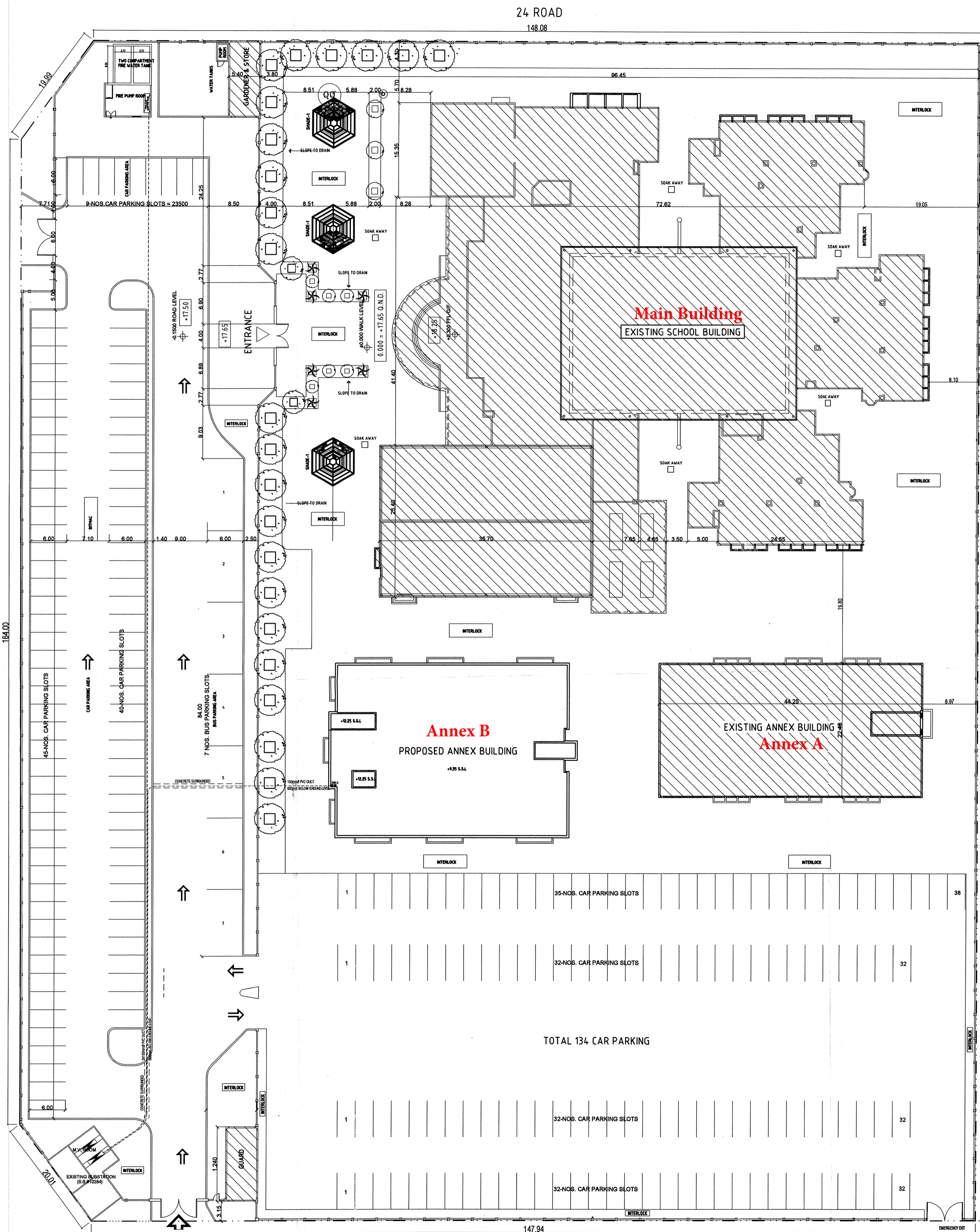
- A. Clarifications of site visits enquiries (Page 1);
  - B. Asset list (Page 2);
  - C. Consumable items list (Page 3)
  - D. Campus site location plan (Page 4).
- 
1. Asset and consumable lists are provided on UCQ website and to be included in the contract.
  2. All three buildings are two storeys high. See site location plan for total area.
  3. Total manpower required: Four – One Supervisor (preferably HVAC trained), one plumber, one electrician and one AC/Mechanical technician. All crew members should be skilled and experienced. UCQ will review and interview the team deployed on campus.
  4. Supervisor will be provided accommodation, utilities, standard furniture and appliances on campus. No food will be provided.
  5. MEP Supervisor to resolve and update the Facilities Maintenance Requests on daily basis.
  6. Working hours for MEP team: 6 days from Saturdays to Thursdays, from 6:00a.m. to 6:00p.m. Emergency cases should be attended after working hours, including Fridays.
  7. Presentable uniform, safety shoes, PPE, MEP tools and ladders are to be provided by company.
  8. Consumables parts are under the contract. Extra MEP parts(e.g. compressors, motor pulley, blowers, motor rewinding, etc.) are not included and considered under UCQ cost.
  9. Contract to include PPM for all MEP systems.
  10. CCTV, fire alarm, fire-fighting, fire pumps, sprinkler system, landscaping, cleaning service, pest control service, elevators maintenance, PA system, major civil works are not part of the contract.
  11. Contract include setting up classrooms, events, relocation, office and meeting arrangements and to provide support on moving furniture, equipment and items, dismantling and mounting equipment, dispensers, screens, boards, etc.
  12. Any jobs/tasks that require working at height, Contractor to scaffolding or lifts as needed for safe working.
  13. MEP Supervisor to supply monthly report to Facilities.
  14. Annual maintenance for two main chillers to be included as part of contract.
  15. To provide details of company profile, organization charts, manpower resources, references of similar projects.
  16. UCQ will visit workers' accommodation facilities to verify the workers' welfare.
  17. Transition time: at least a week to take-over from the existing MEP team. Official mobilization shall be from 1<sup>st</sup> January 2022. Site assessment, snag lists and proposed PPM schedule and work scope to be submitted on contract commencement.
  18. PPM scheduling and tracking system is recommended for the contract.

**EQUIPMENT / ASSET LIST**

<b>No.</b>	<b>Asset/Equipment List</b>	<b>QTY</b>	<b>Brand</b>
1	Chiller (200TR)	1	YORK
2	Chiller (180TR)	1	Trane
3	AHU	20	KLIMAK
4	RA FAN	2	KLIMAK
5	FAU	2	KLIMAK
6	FCU	26	KLIMAK
7	Chiller primary pump	3	TECO
8	Split AC unit	31	Daewoo, Gree, carrier, blue star, Sanyo,Sharp
9	Package AC unit	7	Daikin, mitsubishi, lennox
10	Ducted package ac unit	9	Daikin
11	Window AC	2	Vertis, Westinghouse
12	SMDB	12	BILL
13	DB	32	BILL
14	Toilet Exhaust fan	17	Penn ventilation, Vortice
15	kitchen exhaust fan	1	Penn ventilation
16	Fume hood Exhaust Fan	2	Emotoren gmbh
17	Domestic water pump	2	NOCCHI
18	Irrigation water pump	2	Lowara, ESPA
19	Booster pump	6	Wilo,Rafello,
20	VAV Motores	31	Johnson controls
21	Dosing pump	2	Armstrong

## Consumable List

No.	Consumables
1	Fluorescent lamps (18 watts, 2 Feet, Cool White)
2	Fluorescent lamps (36 watts, 4 Feet, cool white)
3	Starter
4	Ballast
5	CFL (12 Watts, 2 pin, Cool white)
6	CFL (18 Watts, 4 pin, Cool white)
7	CFL (18 Watts, 2 pin, Cool white)
8	LED Down light (12 Watts, Cool white)
9	LED Down light (18 Watts, Cool white)
10	Halogen bulbs (15 watts, 220V)
11	Flood light
12	High bay light
13	Electrical breaker
14	Isolator switches
15	Electrical switches
16	Electrical 2 gang Plug socket
17	Electrical contactors
18	Shattaf
19	Mixer tap
20	Gate valves
21	Angle valve
22	Ball valve
23	Water tape
24	Float valve
25	WC flush kit
26	WC seat cover
27	Wash Basin Waste Pipe
28	Wash Basin P trap
29	Shower set
30	Flexible hose
31	V belts
32	Capacitores
33	Oil
34	Grease
35	Air conditioner filter
36	Refrigerant (R22, 407,410)
37	Thermostat & PCB
38	Achuvators
39	VAV Motores
40	Manual timer
41	Chilled water chemical

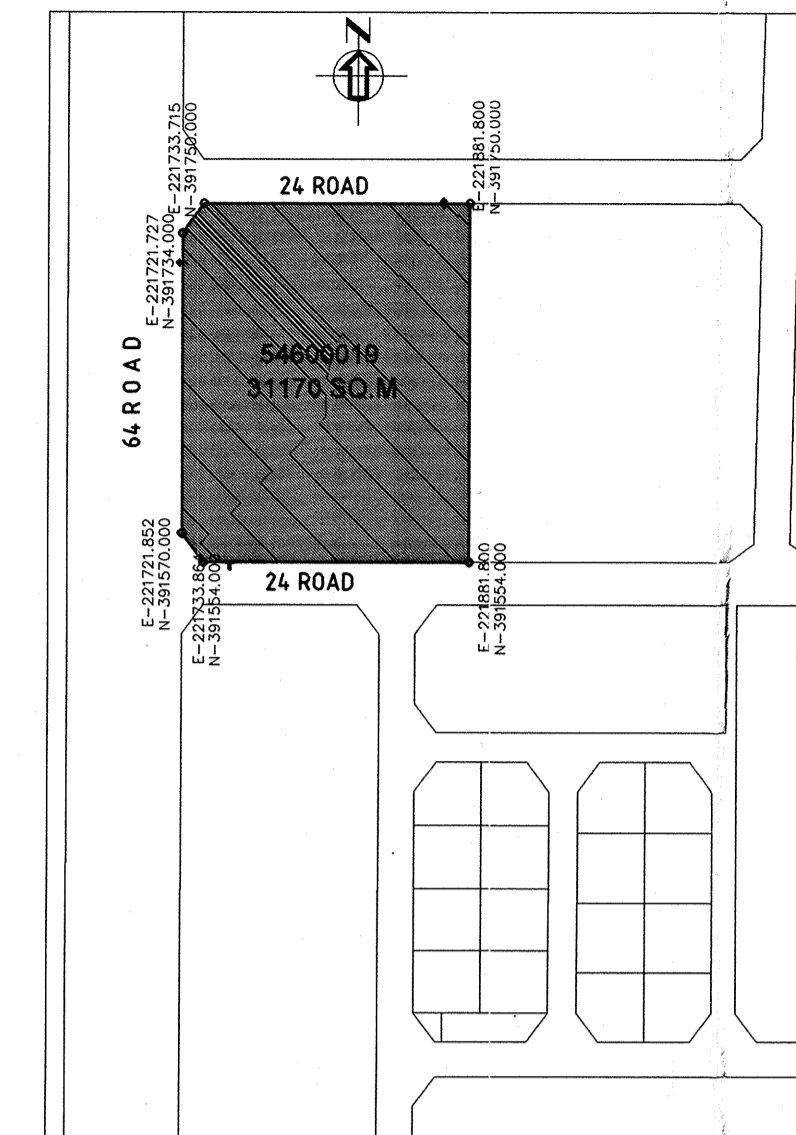


**SITE DEVELOPMENT PLAN**  
SCALE : 1:300

24 ROAD

**NOTES - ELECTRICAL**

- ALL ELECTRICAL WORK SHALL BE CARRIED OUT AS PER KAPRAMA LATEST RULES AND REGULATION AND RELEVANT S.S. & C.P.
- ALL ELECTRICAL MATERIALS SHALL BE SUBMITTED FOR ENGINEERS APPROVAL PRIOR TO SITE DELIVERY AND ALL WORK SHALL BE INSPECTED PRIOR TO COVERING FAILURE WHICH THE ENGINEER RESERVE ALL RIGHT TO REMOVE THE CIVIL AND ELECTRICAL MATERIALS FOR INSPECTION AT CONTRACTORS COST REJECTED MATERIALS TO BE REMOVED AND REPLACED AT THE CONTRACTORS COST.
- THERMAL ROOF INSULATION SHALL BE APPLIED TO THE COMPLETE ROOF AREA OF THIS BUILDING TO COMPLY WITH CIRCULAR NO.73 ISSUED BY THE ELECTRICAL DEPARTMENT AND MINISTRY OF MUNICIPAL AFFAIRS ON 27/10/81. THE HEAT TRANSMISSION (U) VALUE FOR THE ROOF SHALL NOT BE GREATER THAN 0.1 BTU/FT<sup>2</sup> HR.FO.57(WATTS/M<sup>2</sup>C).
- ALL EXTERIOR ELECTRICAL FITTINGS SHALL BE WEATHER PROOF TO MINIPS
- W - DENOTES WEATHER PROOF TO PPS
- S - DENOTES SPLASH PROOF (PLASTIC COVERED).
- CONTRACTOR SHALL PROVIDE LOCAL WEATHER PROOF ISOLATOR FOR ALL WATER PUMPS AND EXTERNAL A/C UNITS, (METALLIC TYPE-AC-28 DUTY).
- - DENOTES COMBINED MCB/ELCB.
- ALL LIGHT SWITCHES SHALL BE 15 AMP MINIMUM.
- CONTRACTOR SHALL PROVIDE LOCAL W/P ISOLATOR FOR THE EXTERNAL WATER PUMP AND CONDUIT WITH DRUM WIRES FOR P.H. & U/A, FLOAT SWITCHES IN GROUND AND ROOF TANKS.
- CONTRACTOR TO PROVIDE CONDUITS, WIRES AND FLAT SWITCHES FOR ROOF AND GROUND TANKS.
- MINIMUM SIZE OF ELECTRICAL CONDUITS SHALL BE 25mm/20mm CONDUITS ARE NOT ALLOWED UNLESS OTHERWISE IS INDICATED IN THE DRAWINGS.
- EXACT LOCATION OF SPLIT A/C UNITS TO BE DETERMINED ON SITE. CONTRACTOR TO PROVIDE LOCAL ISOLATOR AND 25mm DIAMETER PASSAGE SLEEVES + 20mm PVC CONDUIT FOR OUTDOOR UNITS WITHIN BUILDING FABRICS AND ANTI-VIBRATION PADS.
- ALL A/C UNITS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATION.
- DRAIN PIPES NEAR DOORS SHALL HAVE U-TURN AND REMOVABLE DIRT FLUJ.
- PREG GAS LINE PIPE SHALL BE INSULATED WITH 10mm THICK RUBBER FOAM WRAPPED WITH GLASS CLOTH AND FOLLOWED WITH 2 COATS OF VAPOR BARRIER.
- THE FINISH HEIGHT SHALL BE 100mm ABOVE FINISHED LEVEL LENGTH AND WIDTH TO SUIT THE UNIT.
- MCCB SHALL HAVE A MINIMUM SHORT CIRCUIT BREAKING CAPACITY 25KA (AND SHALL BE OF ADJUSTABLE THERMAL AND MAG TRIPPING FACILITY BY MEANS OF SCREW DRIVER FOR 1000mm AMP MCCBS AND ABOVE RATINGS).
- ALL RATINGS INDICATED IN THE DRAWING ARE MINIMUM CONTRACTOR SHALL CHECK WITH THE MANUFACTURER THAT ALL EQUIPMENT MEET THE DUTIES.
- CONTRACTOR MUST SEAL ALL PIPES, CONDUITS, DUCTS, ETC. AT ROOF WITH APPROVED TYPE OF WEATHER PROOF FOAM MASTIC.
- ALL MCB SHALL BE TYPE 'C'.



**LOCATION PLAN**  
SCALE 1:3000

**AREA STATEMENT**

<b>PLOT AREA</b>	<b>31,170.00 SQ. M.</b>
<b>GROUND FLOOR</b>	<b>1187.20 SQ. M.</b>
<b>FIRST FLOOR</b>	<b>1187.20 SQ. M.</b>
<b>STAIR ROOM</b>	<b>86.55 SQ. M.</b>
<b>TOTAL PROPOSED BUILT UP AREA</b>	<b>2370.95 SQ. M.</b>
<b>TOTAL COVERED AREA (PROPOSED)</b>	<b>1187.20 SQ. M.</b>
<b>TOTAL BUILTUP AREA (EXISTING OLD BLDG)</b>	<b>6619.50 SQ. M.</b>
<b>TOTAL COVERED (EXISTING OLD BLDG.)</b>	<b>6519.50 SQ. M.</b>
<b>TOTAL COVERED AREA</b>	<b>7746.70 SQ. M.</b>
<b>TOTAL % OF COVERED AREA</b>	<b>24.85 %</b>

EXISTING CAR PARKING SLOTS	= 94 NOS.
PROPOSED CAR PARKING SLOTS	= 134 NOS.
TOTAL CAR PARKING SLOTS	= 228 NOS.

**PROPOSED CONNECTED LOAD MV PANEL-2**

	A/C	W/H	G/L	OTHERS	T/L
EXISTING LOAD	CHILLER-1	210.00 KW.	---	---	210.00 KW.
	CHILLER-2	210.00 KW.	---	---	210.00 KW.
	SMSB-1	105.00 KW.	12.00 KW.	75.00 KW.	192.00 KW.
	SMSB-2	110.00 KW.	18.00 KW.	52.80 KW.	180.80 KW.
ADDITIONAL LOAD	SMSB-4	83.00 KW.	18.00 KW.	64.00 KW.	165.00 KW.
	DS-MM	5.00 KW.	---	0.80 KW.	5.80 KW.
	SMSB-3	124.70 KW.	6.00 KW.	63.50 KW.	31.50 KW.
	FIRE PUMP	---	---	125.00 KW.	125.00 KW.
<b>TOTAL</b>	<b>847.70 KW.</b>	<b>54.00 KW.</b>	<b>256.10 KW.</b>	<b>156.50 KW.</b>	<b>1314.30 KW.</b>

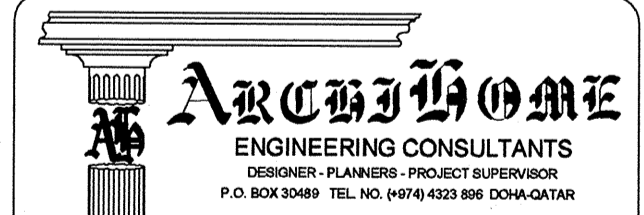
TOTAL CONNECTED LOAD = 1314.30 KW = 1546.23 KW  
TOTAL MAXIMUM DEMAND = 1187.76 KW = 1373.84 KW

**Note for AMI provisioning**

All required provisioning for AMI shall be implemented as per amendment to the Regulations titled:  
(Amendment to the regulation for the Installation of Electrical wiring to accommodate the Advanced Metering Infrastructure (AMI) components -Additional Field Requirements for AMI)

**SCHEDULE OF REVISIONS**

APPROVAL



**أركي هوم**

OWNER :  
**COLLEGE OF NURSING PROJECT**

PROJECT :  
**THE CALGARY UNIVERSITY NEW ANNEX BLDG.**  
LOCATION: Al Rayyan City

TITLE :  
**SITE PLAN LAYOUT**

DESIGNED : A.O.M.

DRAWN BY : BONSOY

SCALE : 1:300, 1:3000

PROJ. NO : \*\*\*

DATE : 26-06-2013

DRG. No : S.S.P

OFFICE